

Detrex® NF 10™ 23°

23° Baume NF Grade 10ppb Trace Metal Hydrochloric Acid
CAS No. 7647-01-0

| <u>Parameter</u> | <u>Specification*</u> | <u>Detrex Typical</u> |
|----------------------------|-----------------------|-----------------------|
| Identification | Passes Test | Passes Test |
| Assay | 36.5 – 38.0% | 37.5% |
| Residue on Ignition | 0.008% | < 0.001% |
| Bromide or Iodide | Passes Test | Passes Test |
| Free Bromine or Chlorine | Passes Test | Passes Test |
| Sulfate | Passes Test | Passes Test |
| Sulfite (SO ₃) | Passes Test | Passes Test |

*Meets USP40-NF35 specifications, US Pharmacopeia Convention

*All analytical testing is performed in accordance with the monograph requirements or with validated alternative test methods.

| <u>Trace Metal Element</u> | <u>Specification</u> | <u>Detrex Typical*</u> |
|----------------------------|----------------------|------------------------|
| Aluminum (Al) | 10 ppb max | < 5 ppb |
| Antimony (Sb) | 10 ppb max | < 5 ppb |
| Arsenic (As) | 10 ppb max | < 5 ppb |
| Barium (Ba) | 10 ppb max | < 5 ppb |
| Beryllium (Be) | 10 ppb max | < 5 ppb |
| Bismuth (Bi) | 10 ppb max | < 5 ppb |
| Boron (B) | 10 ppb max | < 5 ppb |
| Cadmium (Cd) | 10 ppb max | < 5 ppb |
| Calcium (Ca) | 10 ppb max | < 5 ppb |
| Chromium (Cr) | 10 ppb max | < 5 ppb |
| Cobalt (Co) | 10 ppb max | < 5 ppb |
| Copper (Cu) | 10 ppb max | < 5 ppb |
| Gallium (Ga) | 10 ppb max | < 5 ppb |
| Germanium (Ge) | 10 ppb max | < 5 ppb |
| Gold (Au) | 10 ppb max | < 5 ppb |
| Indium (In) | 10 ppb max | < 5 ppb |
| Iron (Fe) | 10 ppb max | < 5 ppb |
| Lead (Pb) | 10 ppb max | < 5 ppb |
| Lithium (Li) | 10 ppb max | < 5 ppb |
| Magnesium (Mg) | 10 ppb max | < 5 ppb |
| Manganese (Mn) | 10 ppb max | < 5 ppb |
| Molybdenum (Mo) | 10 ppb max | < 5 ppb |
| Nickel (Ni) | 10 ppb max | < 5 ppb |
| Niobium (Nb) | 10 ppb max | < 5 ppb |
| Platinum (Pt) | 10 ppb max | < 5 ppb |
| Potassium (K) | 10 ppb max | < 5 ppb |
| Silicon (Si) | 10 ppb max | < 5 ppb |
| Silver (Ag) | 10 ppb max | < 5 ppb |
| Sodium (Na) | 10 ppb max | < 5 ppb |
| Strontium (Sr) | 10 ppb max | < 5 ppb |
| Tantalum (Ta) | 10 ppb max | < 5 ppb |
| Thallium (Tl) | 10 ppb max | < 5 ppb |
| Thorium (Th) | 10 ppb max | < 5 ppb |
| Tin (Sn) | 10 ppb max | < 5 ppb |
| Titanium (Ti) | 10 ppb max | < 5 ppb |



Specification Sheet NF 10™

| | | |
|----------------|------------|---------|
| Vanadium (V) | 10 ppb max | < 5 ppb |
| Zinc (Zn) | 10 ppb max | < 5 ppb |
| Zirconium (Zr) | 10 ppb max | < 5 ppb |

*All testing completed with PerkinElmer ICP/MS